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NOTICE OF ALLOWANCE AND FEE(S) DUE

65565 7590 04/29/2009 SUGHRUE-265550

SUGHRUE-265550 2100 PENNSYLVANIA AVE. NW WASHINGTON, DC 20037-3213

| EXAMINER | | | | | | | |
|----------------|--------------|--|--|--|--|--|--|
| ZUCKER, PAUL A | | | | | | | |
| ART UNIT | PAPER NUMBER | | | | | | |

1621 DATE MAILED: 04/29/2009

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | CONFIRMATION NO. | | | | | | |
|---|-------------|----------------------|----------------------|--|--|--|--|--|--|
| 10/564,720 | 01/17/2006 | Haruo Imawaka | Haruo Imawaka Q92718 | | | | | | |
| TITLE OF INVENTION: BRANCHED CARBOXYLIC ACID COMPOUND AND USE THEREOF | | | | | | | | | |

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 07/29/2009 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

| appropriate. All further indicated unless corrects maintenance fee notifica | correspondence includir ed below or directed oth | or transmitting the Patent, nerwise in Blo | advance o | rders and notification of a) specifying a new con | of ma | aintenance fees w ondence address; | ill be and/or | nailed to the current (b) indicating a sepa | correspon rate "FEE | dence address as ADDRESS" for |
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| | 7590 04/29 55550 VANIA AVE. NW I, DC 20037-3213 | | | | | Cert | ificate | of Mailing or Trans) Transmittal is being licient postage for firs SSUE FEE address () 273-2885, on the d | mission | |
| | | | | | | | | | | (Depositor's name) |
| | | | | Ļ | | | | | | (Signature) |
| | | | | L | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | | FIRST NAMED INVENT | OR | | ATTO | RNEY DOCKET NO. | CONFIR | MATION NO. |
| 10/564,720 TITLE OF INVENTION | 01/17/2006 i: BRANCHED CARBO | XYLIC ACII | COMPOU | Haruo Imawaka UND AND USE THERE | OF | | | Q92718 | | 1473 |
| APPLN, TYPE | SMALL ENTITY | ISSUE FE | E DUE | PUBLICATION FEE DU | ΈI | PREV. PAID ISSUE | FEE | TOTAL FEE(S) DUE | I | DATE DUE |
| nonprovisional | NO | \$15 | 10 | \$300 | | \$0 | | \$1810 | C | 7/29/2009 |
| EXAM | IINER | ART U | INIT | CLASS-SUBCLASS | | | | | | |
| ZUCKER | , PAUL A | 162 | 21 | 514-558000 | _ | | | | | |
| CFR 1.363). Change of corresp Address form PTO/S1 Fee Address" ind PTO/SB/47; Rev 03-C Number is required. ASSIGNEE NAME A | ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Comp | nge of Corres "Indication for ed. Use of a C | pondence orm Customer | | to 3 native ngle or ag uttorn be pi type type e pate | B registered patent cly, firm (having as a sent) and the name eys or agents. If r rinted. | memb es of up to nam | er a 2 | | as been filed for |
| Please check the appropr | iate assignee category or | categories (w | rill not be p | rinted on the patent): | o, | Individual 🚨 Co | rporati | on or other private gro | up entity | Government |
| Advance Order - | wo small entity discount p | | - | b. Payment of Fee(s): (P A check is enclosed Payment by credit The Director is here overpayment, to De | d. card. | Form PTO-2038 | is atta | ched. | | |
| - 11 | s SMALL ENTITY state | is. See 37 CFI | | ☐ b. Applicant is no I | | | | | | |
| NOTE: The Issue Fee an interest as shown by the | d Publication Fee (if req records of the United Sta | uired) will not tes Patent and | t be accepte Trademark | d from anyone other that Office. | ın the | e applicant; a regis | stered a | ttorney or agent; or th | e assignee | or other party in |
| Authorized Signature | | | | | | Date | | | | |
| Typed or printed nam | | | | | | Registration N | | | | |
| This collection of inform an application. Confiden submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223 | nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but 'irginia 22313-1450. DC k13-1450. | FR 1.311. Th U.S.C. 122 a USPTO. Tin rden, should b O NOT SEND | e information of 37 CFR ne will vary sent to the FEES OR | on is required to obtain of 1.14. This collection is depending upon the in the Chief Information Off COMPLETED FORMS | or ret estin divid ficer, TO | tain a benefit by the mated to take 12 n dual case. Any con , U.S. Patent and ' THIS ADDRESS. | ne publ ninutes mment Fraden . SENI | to which is to file (and to complete, including s on the amount of tit ark Office, U.S. Depa of TO: Commissioner | by the US g gatherin ne you rec artment of or Patents | SPTO to process) g, preparing, and juire to complete Commerce, P.O. i, P.O. Box 1450, |

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| 65565 | 7590 04/29/2009 | | EXAMINER | | | | |
| SUGHRUE-26: | 5550 | ZUCKER, PAUL A | | | | | |
| | VANIA AVE. NW | ART UNIT PAPER NUMBER 1621 | | | | | |
| WASHINGTON | DC 20037-3213 | | | | | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 68 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 68 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/564,720 IMAWAKA ET AL. Notice of Allowability Examiner Art Unit Paul A Zucker 1621 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. A This communication is responsive to Applicants' amendment of 19 February 2009. 2. The allowed claim(s) is/are 7-9 and 19 renumbered 1-4, respectively. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) X All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. __ 3. X Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit Examiner's Statement of Reasons for Allowance of Biological Material Other Contact Information.

/Paul A. Zucker/ Primary Examiner, Art Unit 1621 Application/Control Number: 10/564,720 Page 2

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DETAILED ACTION

 All questions pertaining to an application that has been allowed should be directed to the Office of Patent Publications Image Assistance Center at 888-786-0101.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul A. Zucker whose telephone number is 571-272-0650. The examiner can normally be reached on Monday-Friday 5:30-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Sullivan can be reached on 571-272-0779. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Paul A. Zucker/ Primary Examiner, Art Unit 1621